

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632382

Luminaire Tested: GWS-SA2C-750-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9450.1 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

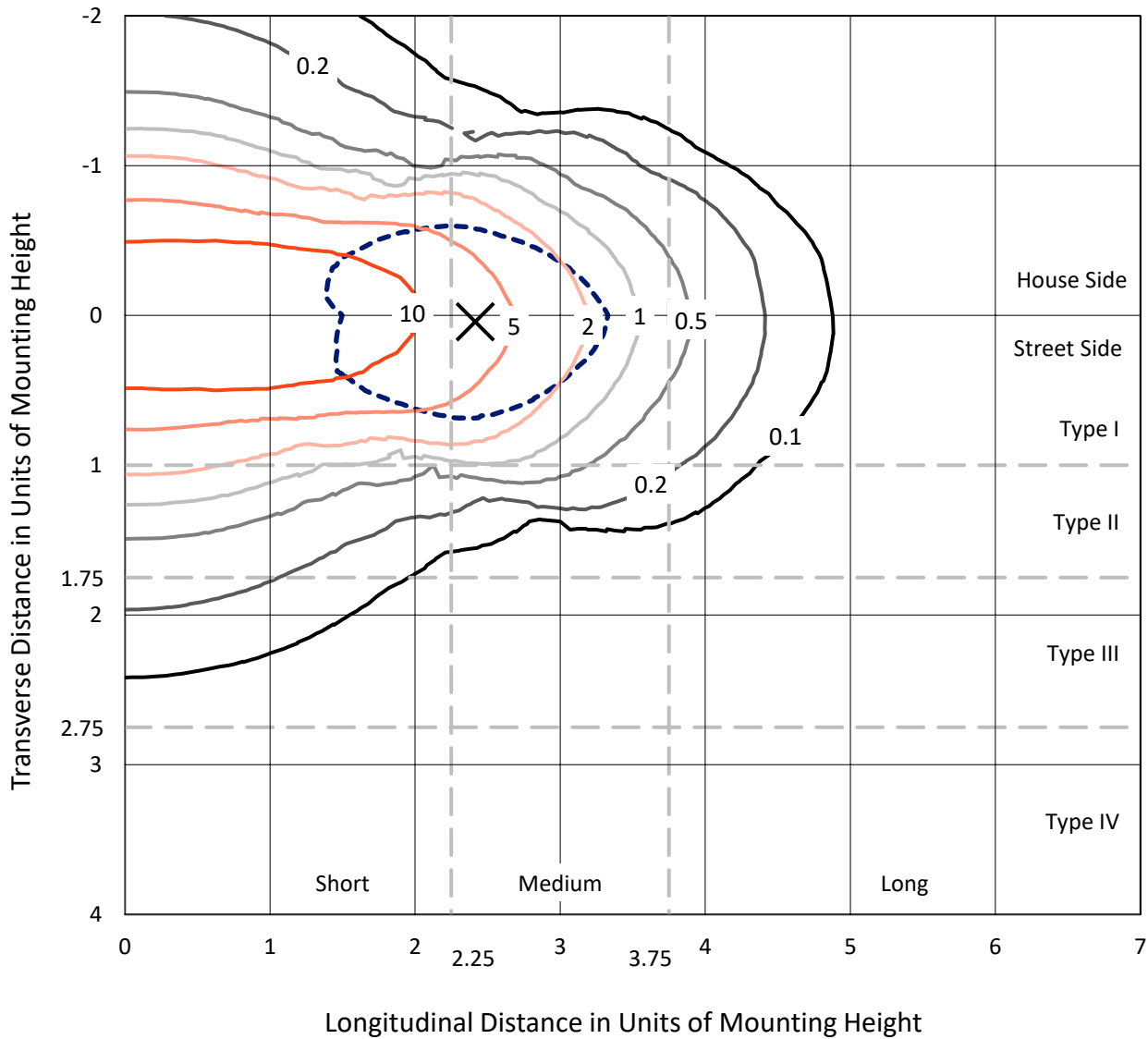
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

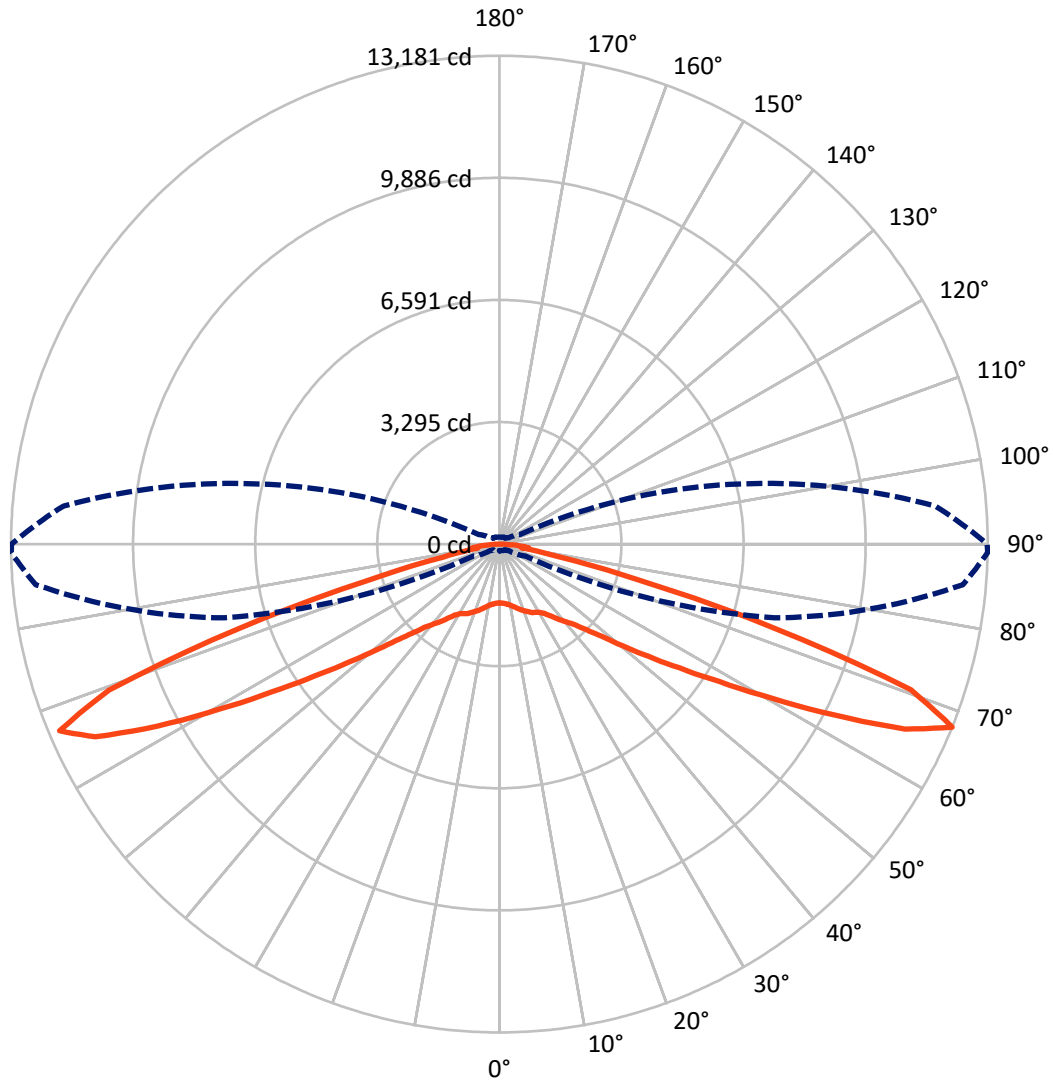
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.3 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4683.6	0.0	4683.6
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	4766.5	0.0	4766.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	9450.1	0.0	9450.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	1.7
10°-20°	518.1	5.5
20°-30°	875.7	9.3
30°-40°	1201.8	12.7
40°-50°	1532.6	16.2
50°-60°	1922.9	20.3
60°-70°	2319.2	24.5
70°-80°	839.0	8.9
80°-90°	81.6	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9450.1	100.0
0°-180°	9450.1	100.0

Coefficient of Utilization



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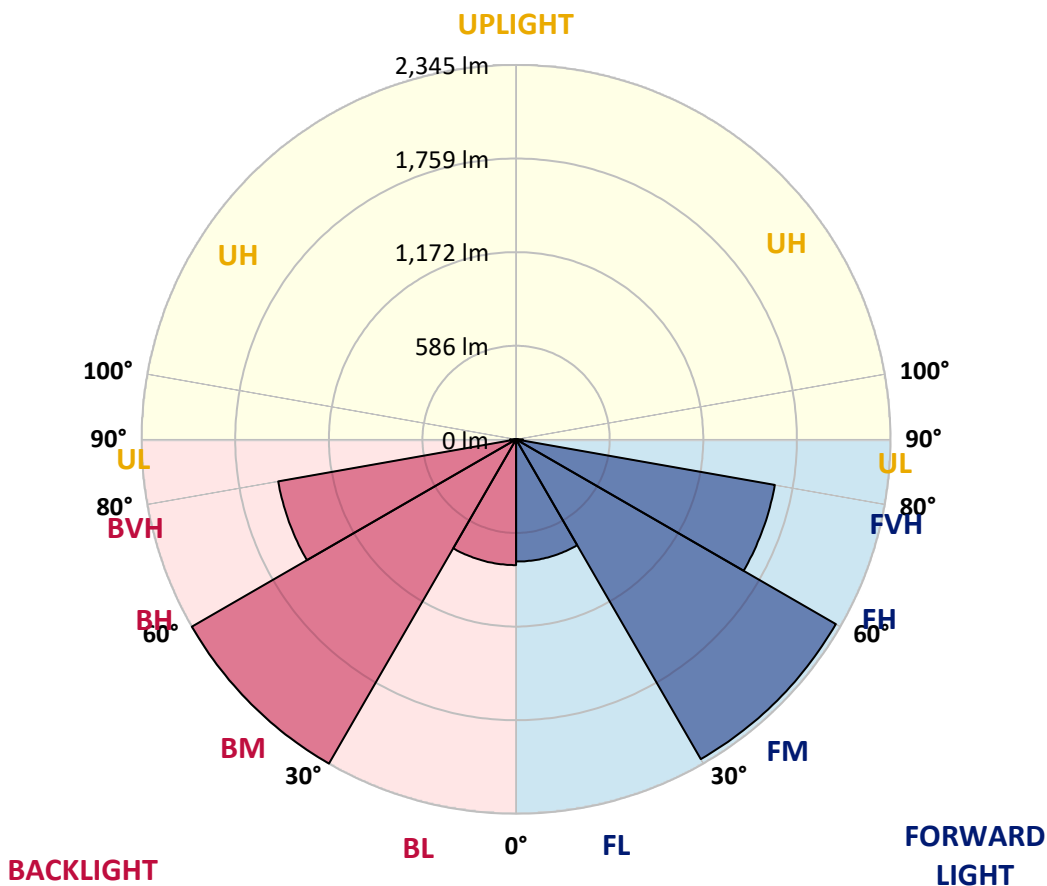
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	765.4	8.1			
FM (30°-60°)	2312.6	24.5			
FH (60°-80°)	1645.4	17.4			G1/1800
FVH (80°-90°)	43.1	0.5			G1/100
BL (0°-30°)	787.5	8.3	B2/1000		
BM (30°-60°)	2344.8	24.8	B2/2500		
BH (60°-80°)	1512.8	16.0	B3/2500		G3/2500
BVH (80°-90°)	38.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1
2.5°	1590.9	1589.5	1586.1	1596.3	1594.3	1594.9	1599.0	1596.3	1591.6	1583.4	1594.9
5°	1635.7	1635.0	1627.5	1633.6	1626.8	1622.1	1621.4	1614.6	1609.2	1600.4	1612.6
7.5°	1679.1	1678.4	1672.3	1683.2	1677.7	1672.3	1666.2	1652.6	1639.7	1626.8	1640.4
10°	1712.4	1711.7	1710.3	1725.9	1727.3	1729.3	1726.6	1703.5	1681.1	1665.5	1679.1
12.5°	1731.4	1733.4	1736.8	1765.3	1779.6	1793.1	1796.5	1777.5	1740.2	1717.8	1734.1
15°	1718.5	1722.5	1739.5	1791.1	1830.5	1861.0	1873.9	1858.3	1810.1	1772.8	1791.1
17.5°	1656.7	1660.1	1693.4	1772.1	1859.0	1929.5	1950.6	1941.1	1887.5	1842.0	1859.6
20°	1571.2	1578.7	1614.6	1724.6	1854.2	1977.1	2033.4	2030.0	1971.6	1901.7	1922.8
22.5°	1493.8	1502.6	1540.7	1662.1	1822.3	1989.3	2116.9	2125.7	2048.3	1961.4	1978.4
25°	1406.9	1415.1	1464.0	1588.2	1767.3	1979.8	2188.1	2228.2	2135.2	2030.0	2045.6
27.5°	1318.0	1324.1	1372.3	1504.7	1695.4	1962.1	2244.5	2340.8	2220.7	2077.5	2088.4
30°	1240.0	1248.1	1292.2	1421.2	1616.7	1926.8	2290.6	2461.0	2319.1	2131.1	2139.9
32.5°	1164.7	1171.4	1219.6	1339.1	1533.2	1872.5	2332.0	2602.1	2465.0	2230.9	2230.9
35°	1069.6	1081.8	1136.1	1260.3	1454.5	1800.6	2361.9	2766.4	2664.6	2378.2	2378.8
37.5°	982.1	988.9	1045.9	1171.4	1371.7	1719.1	2364.6	2936.7	2917.1	2565.5	2566.8
40°	882.3	891.1	952.2	1076.4	1276.6	1633.6	2338.8	3095.6	3181.7	2758.2	2750.8
42.5°	781.2	794.1	852.4	973.9	1174.2	1529.1	2270.3	3246.9	3517.7	2981.5	2963.2
45°	683.5	691.6	750.0	864.7	1056.7	1404.2	2160.3	3392.1	3916.8	3320.9	3294.4
47.5°	573.5	576.9	637.3	747.2	935.2	1265.1	2002.8	3521.8	4355.2	3770.2	3724.7
50°	475.8	480.5	528.0	622.4	786.6	1100.2	1806.7	3597.8	4913.8	4383.0	4304.3
52.5°	384.8	389.6	427.6	502.9	650.2	912.2	1563.7	3580.1	5480.5	5143.9	5029.2
55°	310.8	314.2	340.0	399.1	511.7	725.5	1276.6	3422.0	6109.7	6137.5	5890.4
57.5°	262.7	264.0	281.7	317.6	399.8	559.2	985.5	3048.7	6769.4	7405.3	6999.4
60°	234.8	235.5	243.7	266.1	315.6	426.9	722.1	2454.2	7452.8	8991.4	8434.9
62.5°	217.2	217.2	224.0	236.9	262.0	328.5	530.7	1762.6	7943.5	10717.4	10164.2
65°	200.2	200.2	205.0	215.8	229.4	268.1	398.4	1136.8	8184.4	12160.3	12037.4
67.5°	178.5	179.2	182.6	194.1	206.3	224.0	302.0	769.0	7684.2	12559.4	13181.0
70°	158.1	158.8	163.6	171.0	181.2	193.4	236.2	530.1	5593.2	10460.1	11785.6
72.5°	135.7	138.5	141.8	150.0	156.1	164.9	192.8	343.4	3254.4	6728.6	7790.8
75°	111.3	114.7	118.8	126.9	131.0	134.4	158.8	245.0	1565.8	3409.8	3882.8
77.5°	86.2	89.6	94.3	101.8	104.5	108.6	121.5	177.1	750.0	1511.5	1629.6
80°	57.7	59.0	63.1	71.9	76.7	79.4	89.6	120.8	325.8	606.8	601.3
82.5°	35.3	36.0	37.3	42.8	44.8	47.5	58.4	74.0	155.4	689.6	790.7
85°	12.9	12.2	11.5	14.9	17.6	20.4	27.1	37.3	67.9	473.7	530.1
87.5°	0.0	0.0	0.0	0.7	1.4	1.4	2.7	5.4	16.3	177.1	121.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1	1586.1
2.5°	1591.6	1584.1	1593.6	1600.4	1615.3	1620.7	1622.1	1617.3	1617.3	1609.2	1610.6
5°	1609.9	1605.1	1620.7	1632.3	1654.0	1662.1	1667.6	1664.2	1666.2	1660.8	1662.1
7.5°	1637.7	1633.6	1660.8	1683.2	1705.6	1715.1	1719.8	1717.1	1717.8	1711.0	1713.0
10°	1676.4	1677.7	1710.3	1739.5	1769.4	1778.9	1780.9	1772.8	1766.0	1753.8	1754.4
12.5°	1729.3	1736.1	1782.3	1814.8	1845.4	1859.0	1844.0	1814.2	1786.3	1765.3	1762.6
15°	1787.0	1799.2	1865.7	1907.1	1940.4	1933.6	1889.5	1822.3	1767.3	1736.1	1730.0
17.5°	1856.2	1874.6	1958.1	2007.6	2036.1	1992.7	1900.4	1799.9	1723.2	1681.1	1673.0
20°	1921.4	1950.6	2055.8	2120.3	2123.7	2025.9	1895.6	1754.4	1658.1	1606.5	1595.6
22.5°	1981.1	2018.5	2158.3	2240.4	2196.3	2040.9	1866.4	1690.0	1579.3	1518.9	1509.4
25°	2046.3	2099.2	2277.7	2354.4	2268.9	2034.7	1805.3	1609.9	1484.3	1422.6	1415.8
27.5°	2091.1	2157.6	2397.8	2471.1	2328.6	2000.1	1726.6	1522.3	1397.4	1339.1	1329.6
30°	2142.7	2227.5	2530.2	2598.1	2365.3	1949.2	1642.5	1440.9	1316.7	1253.6	1246.8
32.5°	2236.3	2342.9	2694.4	2732.4	2376.8	1886.1	1561.7	1362.2	1232.5	1169.4	1159.9
35°	2387.0	2511.9	2925.2	2882.4	2368.0	1816.9	1485.0	1269.8	1146.3	1087.3	1077.8
37.5°	2577.0	2732.4	3182.4	3017.5	2343.6	1740.9	1394.1	1192.5	1069.0	1009.2	1003.8
40°	2754.2	2945.6	3470.9	3134.2	2294.0	1647.2	1306.5	1111.7	985.5	922.4	910.1
42.5°	2976.1	3230.6	3804.8	3235.4	2212.6	1535.2	1208.1	1011.9	881.0	823.9	809.0
45°	3313.4	3629.7	4193.0	3332.4	2091.1	1397.4	1084.6	890.5	766.3	707.9	696.3
47.5°	3734.2	4128.5	4613.8	3390.1	1906.5	1252.2	944.8	762.2	638.0	572.1	566.7
50°	4325.4	4854.1	5065.1	3379.9	1700.1	1079.8	787.3	609.5	505.6	458.1	450.7
52.5°	5045.5	5764.9	5553.1	3257.8	1480.9	883.7	613.5	478.5	401.1	367.2	361.1
55°	5948.8	6855.6	6066.9	2995.8	1204.0	676.7	481.9	377.4	324.4	304.1	301.3
57.5°	7067.3	8267.9	6561.7	2554.6	905.4	516.5	371.2	311.5	286.4	274.2	273.5
60°	8543.5	9767.2	6991.3	1985.2	648.2	395.0	306.8	278.3	258.6	250.4	249.8
62.5°	10298.6	11128.7	7258.7	1352.0	487.3	314.9	270.1	252.5	240.9	236.2	235.5
65°	12102.6	11989.2	7131.1	885.7	369.9	267.4	242.3	232.8	222.6	217.9	217.9
67.5°	13168.1	11807.4	6151.7	614.9	293.2	234.8	218.5	209.7	192.8	188.7	188.7
70°	11663.5	9567.6	4032.2	450.0	237.5	205.6	190.0	177.8	171.0	167.0	166.3
72.5°	7714.1	6225.7	2144.0	312.2	198.2	175.1	160.9	156.1	148.0	143.9	143.2
75°	3839.4	3270.0	1098.8	225.3	164.9	140.5	134.4	132.3	125.6	120.1	118.8
77.5°	1600.4	1455.8	512.4	163.6	125.6	113.3	107.9	107.9	100.4	94.3	91.6
80°	603.4	537.5	242.3	112.0	93.0	84.2	80.8	78.1	71.9	64.5	60.4
82.5°	807.0	527.4	118.8	69.9	61.1	54.3	49.5	47.5	44.1	40.7	38.0
85°	522.6	374.6	53.6	36.0	30.5	23.1	20.4	19.0	17.0	14.9	13.6
87.5°	106.6	125.6	16.3	6.8	4.1	2.0	2.0	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)